

All concrete shall be air entrained, 4000 psi, and (3/4") three-quarter-inch maximum size aggregate with 660 lbs of total cementitious material per cubic yard of concrete. Entrained air shall be between 5.5% and 7.5% with a slump not to exceed (4-1/2") four-and-one-half inches. ASTM C150 Type I/II cement shall be used.

Mobile Mixed Concrete suppliers will provided substantiating data for each concrete mix design to be installed, yearly to the BPWD not less than (6) six weeks prior to the first placement of concrete. The mix submittal shall at a minimum include the following:

- a. Documentations showing that all operators of the mobile mixers are qualified.
- b. Documentations showing that all mobile mixers have been calibrated within the last 6 months.
- c. Mix identification designation (unique for each mix)
- d. Statement of intended use. <sup>[[ ]]</sup><sub>SEP</sub>
- e. Mix proportions, including all admixtures. <sup>[[ ]]</sup><sub>SEP</sub>
- f. Manufacturer's data and/or certifications verifying conformance of all mix materials, including admixtures with specified requirements. <sup>[[ ]]</sup><sub>SEP</sub>
- g. Wet and dry unit weights. <sup>[[ ]]</sup><sub>SEP</sub>
- h. Entrained air content, ASTM C138. <sup>[[ ]]</sup><sub>SEP</sub>
- i. Design slump, ASTM C143. <sup>[[ ]]</sup><sub>SEP</sub>
- j. Required average strength qualifications data per ACI 301 and 304. Submit separate qualification for each production facility that will supply concrete to the project.

Additionally, as part of the yearly approval process Mobile Mix Suppliers must conduct an abbreviated calibration for each mobile mixer in the presence of BPWD representative. At this time the BPWD will verify that all mobile mixers are able to provide printed batch slips for all concrete produced.

*The summary provided here is for reference only. In the instance of discrepancies between this information and the Boston Public Works Department's Rules and Specifications the later shall supersede.*